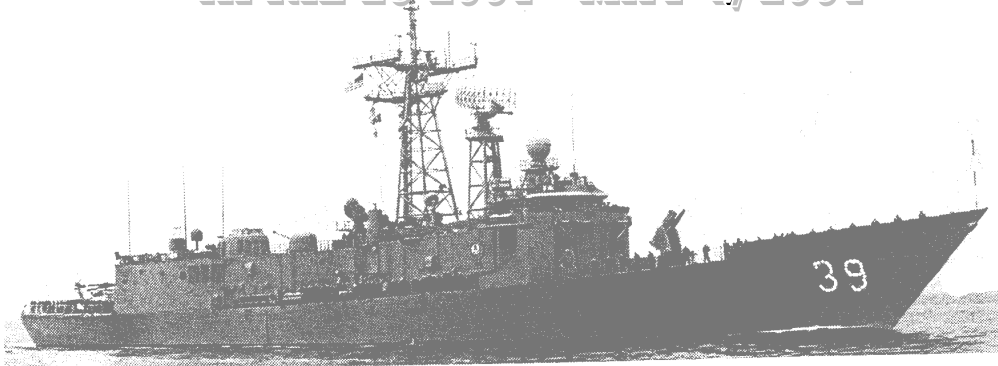


SEMAT II

USS DOYLE - FFG 39

SHELL CONDITION ASSESSMENT SURVEY
INTERIOR AREAS
APRIL 23, 2001 - MAY 4, 2001



SUPERVISOR OF SHIPBUILDING

PREPARED BY SUPSHIP PORTSMOUTH
JUNE 2001

USS DOYLE – FFG 39



DAVID B. ADLER, CDR., USN
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CODE: 220

CODE: 221

CODE: 221

USS DOYLE – FFG 39

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USS DOYLE – FFG 39

SUMMARY

An Underwater Hull Assessment onboard the USS Doyle, during a SEMAT II inspection was conducted from April 23 to May 4 2001. The ship was berthed at pier Echo, Mayport Naval Station, Mayport, FL.

The assessment, conducted in accordance with Hull Structure MRC 1102, included all accessible interior spaces adjacent to the hull that are at and below the waterline with concentration on Critical Inspection Areas (CIAs) provided by SSPorts.

The inspection, primarily in machinery spaces, which are areas found to be historically susceptible to corrosion on FFG 7 class ships showed the USS DOYLE is in average or better than average condition based on a review of the levels of corrosion on sister hulls. Those areas that showed severe signs of deterioration include; Forward Eductor Room, CHT Pump Room, AMR#1, Engine Room, and AMR#3.

Many of the non-critical assessment areas showed little or no signs of corrosion. In fact, most of those areas and even numerous spaces outside of this assessment were being preserved and painted by ship's company during the SEMAT II visit.

After the assessment of all interior spaces that are adjacent to the hull, at and below the waterline, all discrepancies were documented and were entered into the ship's CSMP for action.

USS DOYLE – FFG 39
STRUCTURAL INSPECTION RESULTS
SATISFACTORY AREAS

LOCATION	AREA	RESULTS
3-32-2-A	SECURE FORCES ISS	SAT
3-32-1-K	FLAM LIQUID STRM	SAT
3-26-2-T	WTRTT ESC TRUNK	SAT
3-40-2-A	CPO STORE RM	SAT
3-48-2-A	XO STORE RM	SAT
3-53-2-A	CLOTH SMALL STRM	SAT
3-56-0-A	DECK GEAR STRM	SAT
3-93-1-Q	200 MEGAHERTZ ENCL	SAT
3-100-0-L	BERTH/DRESSING	SAT
3-100-1-L	RCN LOUNGE	SAT
3-113-0-L	SANITARY SPACE	SAT
3-140-2-L	RCN LOUNGE	SAT
3-140-1-L	PASSAGE	SAT
3-144-0-L	BERTH/DRESSING	SAT
3-156-2-Q	PIPING SPACE	SAT
3-154-1-Q	PIPING SPACE	SAT
3-180-2-C	SWITCH GEAR RM	SAT
3-180-5-A	DRY PROV STRM	SAT
3-196-2-A	SHIP'S STORE RM	SAT
3-328-0-A	COMB SUPP STRM	SAT
4-32-0-Q	SONAR EQUIPT RM	SAT
4-48-2-L	PASSAGE	SAT
4-56-0-M	SMALL ARM MAG	SAT
4-64-0-Q	MAG SERVICE RM	SAT
4-100-0-E	APU MCHRY RM	SAT
5-226-2-E	SS DIESEL ENCL	SAT
5-226-1-E	SS DIESEL ENCL	SAT
5-376-1-A	BOSN STORE RM	SAT

USS DOYLE – FFG 39

STRUCTURAL INSPECTION RESULTS

UNSATISFACTORY AREAS

LOCATION	AREA	RESULTS
5-51-0-Q EDUCTOR RM	STBD STRINGERS S1 & S2	STBD STRINGERS S1 & S2 & VERTICAL T BEAM ARE DETERIORATED & RUSTED THROUGH (MAF 012629)
5-51-0-Q EDUCTOR RM	PORT STRINGER S1	STRINGER S1 (PORT) & VERTICAL T BEAM ARE DETERIORATED & RUSTED THROUGH (MAF 012630)
4-160-0-Q CHT PUMP RM	STBD STRINGER S7 AT FR 160	STRINGER S7 (STBD) RUSTED THROUGH AT WEB AT FR 160 (MAF 012642)
5-180-0-E AMR NO. 1	PORT STRINGERS S6 & S7 AT FR 204	STRINGERS S6 & S7 (PORT) RUSTED THROUGH AT WEB AT FR 204 (MAF 012631)
5-250-0-E ENGINEER ROOM	PORT STRINGERS S6, S7, S8, S9 & S10	PORT STRINGERS S6 & S7 BADLY ERODED FR 264-FR 278; S8, S9 & S10 RUSTED OUT HOLES IN WEB AND STRINGER. HEAVY PITTING ON SHELL BETWEEN STRINGERS 10 & 11 AT FR 271 (MAF 05616)
5-250-0-E ENGINEER ROOM	SHELL PLATING (PORT) FR 250-FR 258 AT STRINGERS S10 & S11	CROP-OUT & REPLACE HEAVILY PITTED PLATING PORT SIDE FR 250-FR 258 AT STRINGERS S11 & S10 (MAF 012734)
5-250-0-E ENGINEER ROOM	SHELL PLATING (STBD) FR 258-FR 260, STRINGER S8, FR 258-FR 264	CROP-OUT & REPLACE APPROX 16 SQFT OF HEAVILY PITTED PLATING STBD SIDE. STRINGER S8 DETERIORATED AND RUSTED THROUGH FR 258-FR 264 (MAF 05614)
5-250-0-E ENGINEER ROOM	PORT LOWER LVL STRINGERS 5, 6 & 7, FR 250-FR 264	PORT SIDE LOWER LVL STRINGERS 5, 6 & 7, RUSTED AREAS BETWEEN FR 250-FR 264 (MAF 05613)
5-292-0-E AMR NO. 3	PORT STRINGERS S10 & S11, FR 316-FR 324 AND FR 317 BETWEEN S10 & S12	STRINGERS S10 & S11 (PORT) ARE RUSTED THROUGH BETWEEN FR 316-FR 324. WEB FR 317 RUSTED THROUGH BETWEEN S10 & S12 (PORT) (MAF 05617)
5-292-0-E AMR NO. 3	STBD STRINGER S3 AT FR 308	STIFFENER ON STRINGER S3 STBD AT FR 308 RUSTED OUT (MAF 012644)
3-46-1-A SPEC CLOTH STRM	STBD LONGITUDINAL 2 nd FROM DECK, FR46-FR48	LONGITUDINAL (STBD) RUSTED – APPROX 4 SQFT (MAF 05612)
4-140-0-Q LAUNDRY	PORT STRINGER BELOW GRATING FR 151-FR 160	PORT STRINGER BELOW GRATING RUSTED BETWEEN FR 151-FR 160 (MAF 05607)
4-140-2-A LAUNDRY STRM	PORT STRINGER & SHELL FR 140-FR 151 (BELOW GRATING)	DRAIN LINE CAUSES STANDING WATER ON STRINGER AND SHELL PLATING BETWEEN FR 140- FR 151, PORT (MAF 012634)
4-152-1-A CHEM WFARE DEF	STBD STRINGER BELOW DECK (FR 152- FR 160)	STBD STRINGER & SHELL PLATING BELOW DECK FR 152-FR 160 RUSTED (MAF 012391)
4-172-1-E FIRE PUMP RM	PORT STRINGER #7 TO TANK TOP AND SHELL FR 172-FR 180	PORT SHELL FR 172-FR 180 BETWEEN TANK TOP (5-164-3-F) TO AND INCLUDING STRINGER #7 RUSTED (MAF 05611)
5-212-0-E AMR NO. 2	PORT AND STBD STRINGERS 9, 10 & 11, FR 212-FR 220	LONG STRINGERS 9, 10 & 11 PORT & STBD RUSTED BETWEEN FR 212-FR 220 (MAF 05610)

USS DOYLE – FFG 39

STRUCTURAL INSPECTION RESULTS UNASSESSABLE AREAS

LOCATION	AREA	RESULTS
3-20-0-Q	CHAIN LOCKER	INACCESSIBLE
3-64-2-V	VOID	INACCESSIBLE
3-64-1-V	VOID	INACCESSIBLE
3-84-0-E	A/C MCHRY RM	LOCKED
3-236-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-236-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-240-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-240-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-272-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-272-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-278-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-278-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-286-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-286-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-292-8-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-316-1-J	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-322-1-J	FUEL TANK	UNASSESSABLE REQ GAS FREE
4-HOV	VOID	UNASSESSABLE REQ GAS FREE
4-20-0-W	CHAIN LKR SUMP	INACCESSIBLE
4-27-0-V	VOID	UNASSESSABLE REQ GAS FREE
4-56-2-A	DECK GEAR STRM	LOCKED
5-FF-0-V	VOID	UNASSESSABLE REQ GAS FREE
5-32-0-W	SALT WATER TANK	UNASSESSABLE REQ GAS FREE
5-56-0-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-64-0-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-84-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-84-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-100-3-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-100-4-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-116-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-116-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-132-0-F	CONTAMINATED OIL TANK	UNASSESSABLE REQ GAS FREE
5-137-1-T	UNDERWATER LOG TANK	UNASSESSABLE REQ GAS FREE
5-140-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-140-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-164-0-F	CONTAMINATED OIL TANK	UNASSESSABLE REQ GAS FREE
5-164-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-164-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-170-0-F	CONTAMINATED OIL TANK	UNASSESSABLE REQ GAS FREE
5-192-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-201-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-201-3-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-204-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-204-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-220-2-W	WASTE STORAGE TRK	UNASSESSABLE REQ GAS FREE
5-221-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-250-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-250-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-270-0-F	HYDRAULIC OIL TANK	UNASSESSABLE REQ GAS FREE
5-276-0-F	LUBE OIL TANK	UNASSESSABLE REQ GAS FREE
5-290-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE

USS DOYLE – FFG 39

**EDUCTOR ROOM
(5-51-0-Q)**

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF# 012629				SHIP USS DOYLE FFG 39						
SYSTEM Hull Structure		ESWBS 11021		EIC		APL		RIN		
EQUIPMENT NAME Shell & Supporting Structure			IDENT/SERIAL N/A		LOCATION 5-51-0-Q		WORK CENTER EMO4		JSN A210	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY				EOC		
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED						
TYPE/AVAILABILITY		WHEN TO BE ACCOMPLISHED		STATUS		CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL <div style="text-align: right;">1</div>		1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY <div style="text-align: right;">3</div>		1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE <div style="text-align: right;">3</div>		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE <div style="text-align: right;">7</div>		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 01		MAN HRS REMAINING		COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL				1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE <div style="text-align: right;">3</div>		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: As per SEMAT II assessment it was found that compartment 5-51-0-Q stringers S1 & S2 stbd side and . T beam framing between stringers S1 & S2 are completely deteriorated and rusted through.										
RECOMMENDED REPAIRS:										
Crop out and replace approximately 12 lf of 4"x10" T beam and 2 lf of 2"x3" T beam framing. Prime and paint.										
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON										
CSMP SUMMARY:						TEST#				
5-51-0-Q Educ room stringers are rusted through.						MRC 1102/1				
ROOT CAUSE/AMPLIFICATION I						STEP#				
SYSTEM LEVEL IMPACT										
PART NO.		NOMEMCLATURE			QTY	NSN		COST		
1										
2										
3										
4										
5										
6										
FIRST CONTACT Henrickson		RATE HTC		SECOND CONTACT Ulmer		RATE HT2		PHONE		
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MSC					TD	TL	LOGISTICIAN		TSP	

USS DOYLE – FFG 39



5-51-0-Q
Eductor Room
STBD Side
MAF 012629

As per SEMAT II Assessment it was found that in compartment 5-51-0-Q stringer S1 & S2 STBD side and T beam framing between stringers S1 & S2 are completely deteriorated and rusted through.

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF#012630				SHIP USS DOYLE FFG 39						
SYSTEM Hull Structure		ESWBS 11021		EIC		APL		RIN		
EQUIPMENT NAME Shell & Supporting Structure			IDENT/SERIAL N/A		LOCATION 5-51-0-Q		WORK CENTER EMO4		JSN A209	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY				EOC		
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED						
TYPE/AVAILABILITY		WHEN TO BE ACCOMPLISHED		STATUS		CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL		1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY		1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 01		MAN HRS REMAINING		COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL				1. MAINTENANCE ACTION COMPLETED; PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED; REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED; NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED; 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: As per SEMAT II assessment it was found that compartment 5-51-0-Q stringer S1 port side and T beam framing between stringer S1 & S2 are deteriorated and rusted through.										
RECOMMENDED REPAIRS: Crop out and replace approximately 6 lf of 4"x10" T beam and 4 lf of 2"x3" T beam framing. Prime and paint										
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON										
CSMP SUMMARY: 5-51-0-Q Educ room stringer rust through.						TEST# MRC 1102/1				
ROOT CAUSE/AMPLIFICATION I						STEP#				
SYSTEM LEVEL IMPACT										
PART NO.		NOMEMCLATURE		QTY		NSN		COST		
1										
2										
3										
4										
5										
6										
FIRST CONTACT Henrickson		RATE HTC		SECOND CONTACT Ulmer		RATE HT2		PHONE		
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MSC				TD		TL		LOGISTICIAN		TSP

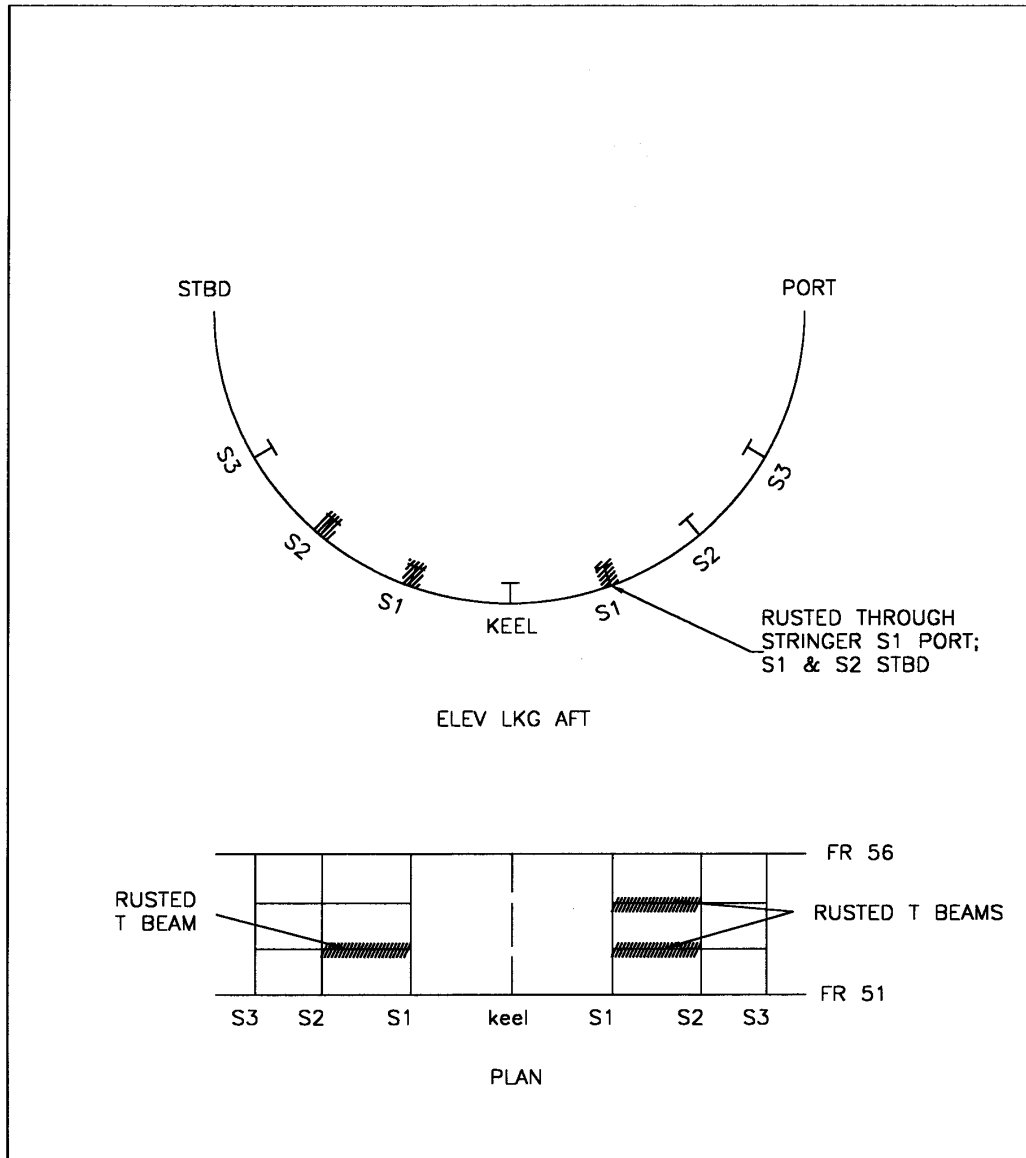
USS DOYLE – FFG 39



5-51-0-Q
Eductor Room
Port Side
MAF 012630

As per SEMAT II Assessment it was found that in compartment 5-51-0-Q stringer S1 port side and T beam framing between stringers S1 & S2 are deteriorated and rusted through.

USS DOYLE – FFG 39



EDUCTOR ROOM (5-51-0-Q)

MAF 012629 & 012630

USS DOYLE – FFG 39

CHT PUMP ROOM
4-160-0-Q

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF# 012642				SHIP USS DOYLE FFG 39			
SYSTEM Hull Structure		ESWBS 11021		EIC		APL	
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 4-160-0-Q		WORK CENTER EMO4	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		JSN A212	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		EOC	
TYPE/AVAILABILITY		WHEN TO BE ACCOMPLISHED		STATUS		CAUSE	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1		1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 3		1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE 3		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE 7	
DEFERRAL REASON		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE					
MAN HRS EXPENDED 01		MAN HRS REMAINING		COMPLETED ACTION TAKEN		S/F MANHOURS	
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL				1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3	
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: As per SEMAT II assessment it was found that in compartment 4-160-0-Q stbd side frame 160 stringer S7 is rusted through at the web.							
RECOMMENDED REPAIRS: Crop out and replace approximately 8 lf of 7"x6 3/4" T beam. Prime and paint.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON							
CSMP SUMMARY: 4-160-0-Q CHT pump room rusted out stringer S7.						TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION I						STEP#	
SYSTEM LEVEL IMPACT							
PART NO.		NOMEMCLATURE		QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT Henrickson		RATE HTC		SECOND CONTACT Ulmer		PHONE	
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MSC				TD	TL	LOGISTICIAN	TSP

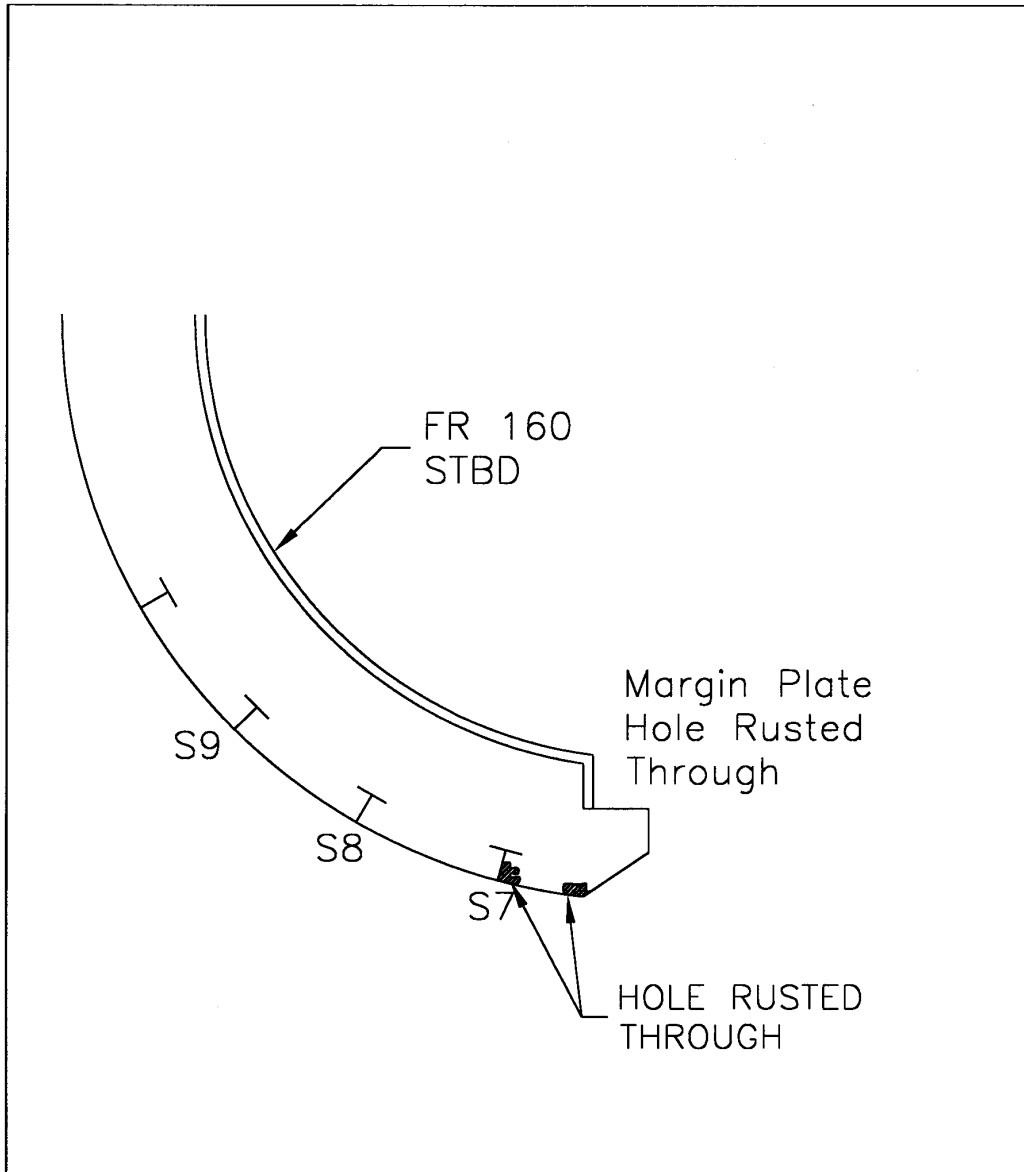
USS DOYLE – FFG 39



CHT Pump Room
4-160-0-Q
Frame 160 Stringer # 7
MAF 012642

As per SEMAT Assessment it was found that in compartment 4-160-0-Q STBD side frame 160 stringer S7 is rusted through at the web.

USS DOYLE – FFG 39



ELEV LKG AFT – FR 160 (S)
CHT PUMP RM
4-160-0-E
MAF 012642

USS DOYLE – FFG 39

**AMR #1
5-180-0-E**

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF# 012631				SHIP USS DOYLE FFG 39			
SYSTEM Hull Structure		ESWBS 11021		EIC		APL	
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 5-180-0-E		WORK CENTER EMO4	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		JSN A214	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		EOC	
TYPE/AVAILABILITY		WHEN TO BE ACCOMPLISHED		STATUS		CAUSE	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1		1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 3		1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE 3		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE 7	
DEFERRAL REASON		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE					
MAN HRS EXPENDED 01		MAN HRS REMAINING		COMPLETED ACTION TAKEN		S/F MANHOURS	
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3			
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: As per SEMAT II assessment it was found that in compartment 5-180-0-E stringer S6 & S7 port side frame 204 were rusted through at web.							
RECOMMENDED REPAIRS: Crop out and replace approximately 10 lf of 7"x6 3/4" T beam. Prime and paint.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON							
CSMP SUMMARY: 5-180-0-E stringer 6 and 7 rusted through.						TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION I						STEP#	
SYSTEM LEVEL IMPACT							
PART NO.		NOMEMCLATURE		QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT Henrickson		RATE HTC		SECOND CONTACT Ulmer		PHONE	
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MSC				TD	TL	LOGISTICIAN	TSP

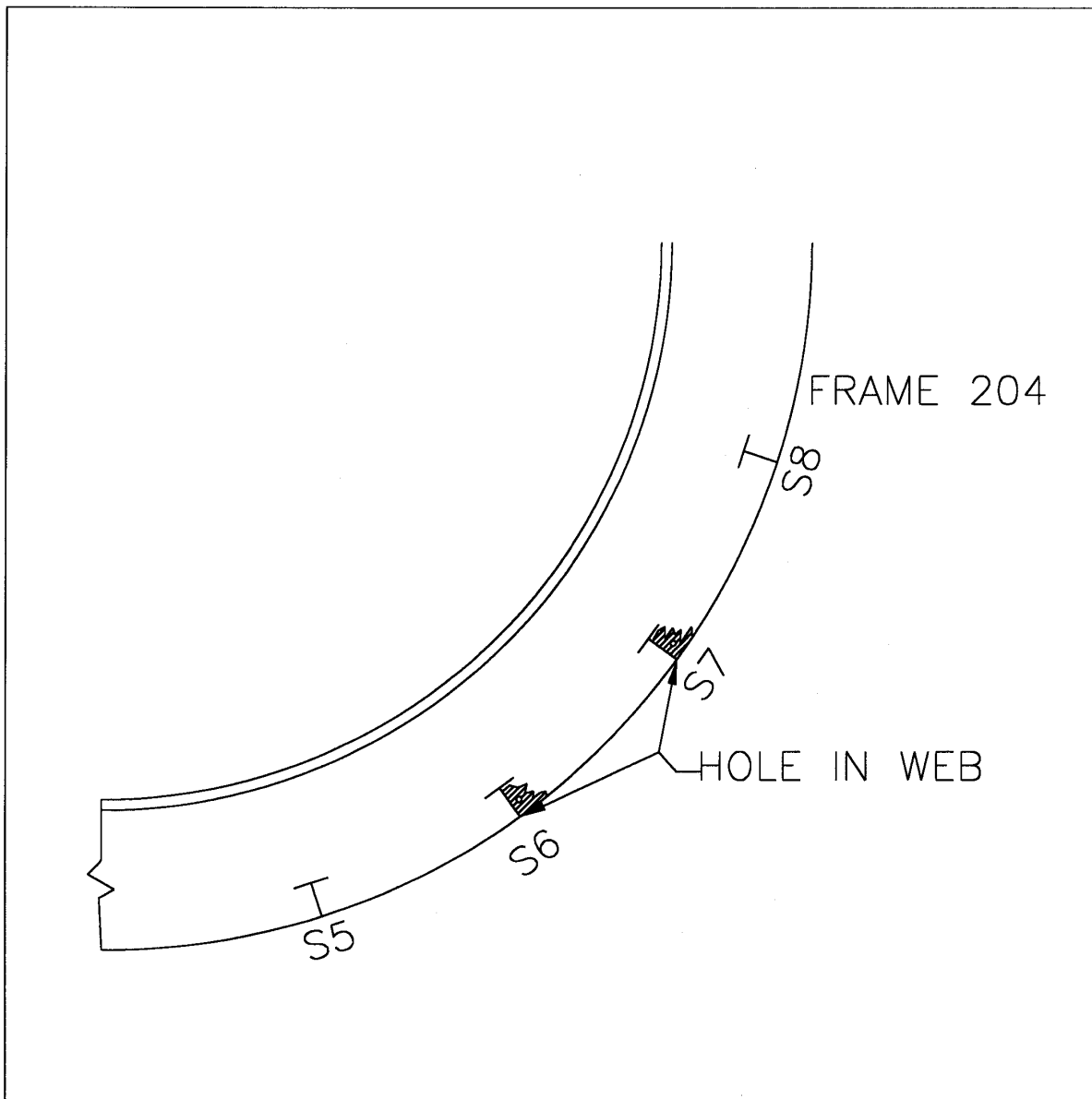
USS DOYLE – FFG 39



AMR #1
5-180-0-E
Frame 204 Port Side
MAF 012631

As per SEMAT Assessment it was found that in compartment 5-180-0-E stringer S6 & S7 port side frame 204 were rusted through at web.

USS DOYLE – FFG 39



ELEV LKG AFT – FR 204 (P)
AMR NO 1 (5-180-0-E)
MAF 012631

USS DOYLE – FFG 39

ENGINE ROOM
5-250-0-E

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF 05616		SHIP USS DOYLE FFG 39			
SYSTEM Hull Structure		ESWBS 11021	EIC	APL	
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EMO4	JSN A217
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 3	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE 3	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE 7		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE
MAN HRS EXPENDED 01	MAN HRS REMAINING	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: As per SEMAT II assessment it was found that in compartment 5-250-0-E stringer S8, S9 & S10 have rusted out holes in web & stingers S6 & S7 badly eroded and holed. Between frame 264 and frame 278 port side. Heavy pitting areas between stringer 10 and stringer 11 frame 271.					
RECOMMENDED REPAIRS: Crop out and replace 8 lf on each stringer. Stringers 8, 9 and 10 6"x 6 1/2" T beam and stringer 6, 7 7"x6 3/4" T beam. Clad weld heavily pitted area.					
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON					
CSMP SUMMARY: 5-250-0-E engine rm has deteriorated stringer S6, S7, S8, S9, and S10.				TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION II				STEP#	
SYSTEM LEVEL IMPACT					
PART NO.		NOMEMCLATURE		QTY	NSN
1					
2					
3					
4					
5					
6					
FIRST CONTACT Henrickson		RATE HTC	SECOND CONTACT Ulmer		PHONE
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MS			TD	TL	LOGISTICIAN
					TSP

USS DOYLE – FFG 39



Engine Room
5-250-0-E
Frame 271 Port Side
MAF 05616

As per SEMAT II it was found that in compartment 5-250-0-E stringers S8, S9, & S10 have rusted out holes in web, and stringers S6 and S7 are badly eroded and have holes. Between frames 264-278 port side, heavily pitted area between stringer S10 and stringer S11 frame 271.

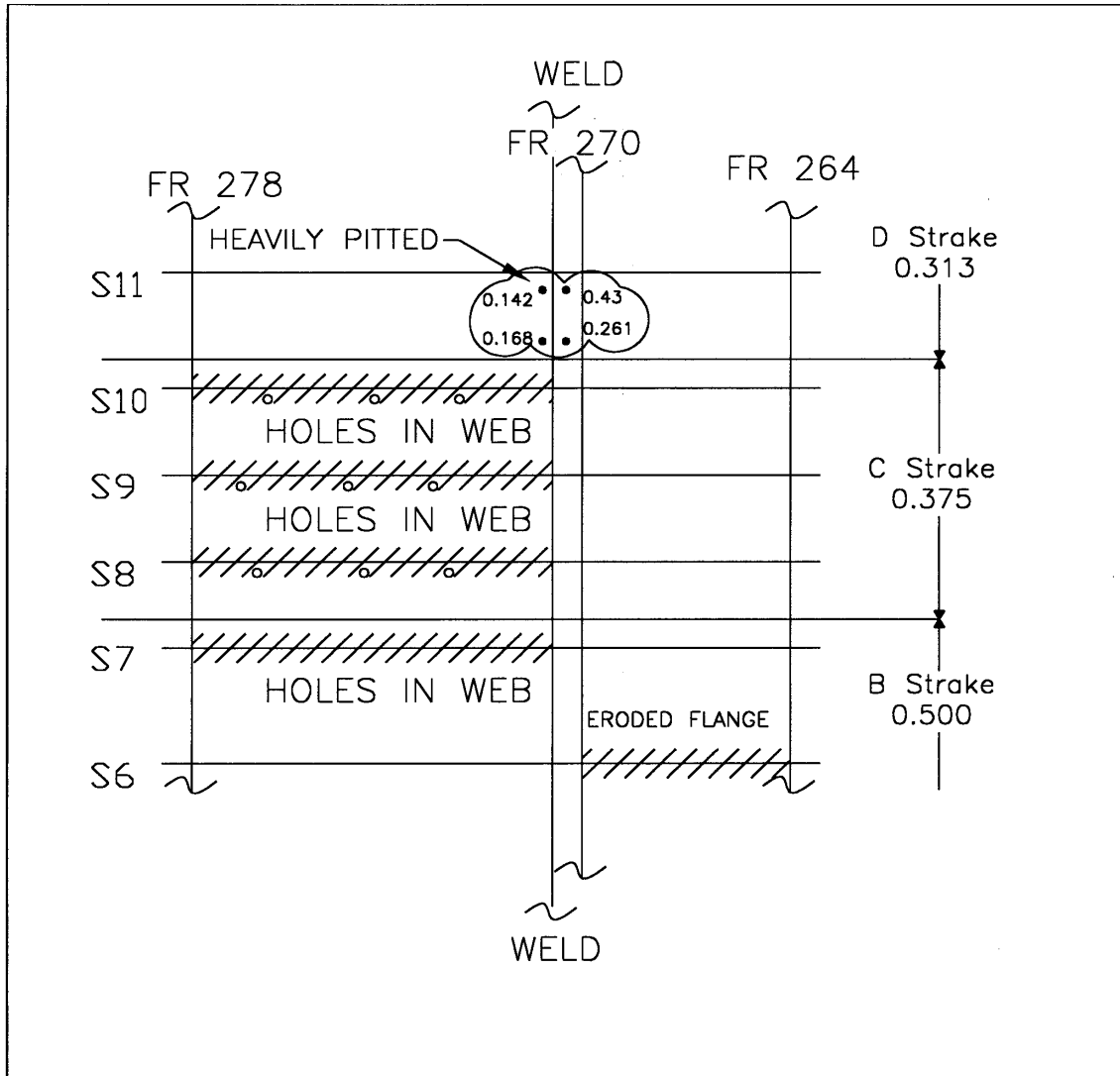
USS DOYLE – FFG 39



Engine Room
5-250-0-E
Frame 271 Port Side
MAF 05616

As per SEMAT II it was found that in compartment 5-250-0-E stringers S8, S9, & S10 have rusted out holes in web, and stringers S6 and S7 are badly eroded and have holes. Between frames 264-278 port side, heavily pitted area between stringer S10 and stringer S11 frame 271.

USS DOYLE – FFG 39



SECT LKG OUTBD (P)
ENGINE ROOM (5-250-0-E)
MAF 05616

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF# 012734		SHIP USS DOYLE FFG 39			
SYSTEM Hull Structure		ESWBS 11021	EIC	APL	RIN
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EMO4	JSN A222
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL <div style="text-align: right;">1</div>	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY <div style="text-align: right;">3</div>	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE <div style="text-align: right;">3</div>	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE <div style="text-align: right;">7</div>	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 01	MAN HRS REMAINING	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE <div style="text-align: right;">3</div>
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: As per SEMAT II assessment it was found that in compartment 5-250-0-E shell plate was heavily pitted and below minimum thickness at frame 250-258 at stringers S11 & S10 respectively on the port side.					
RECOMMENDED REPAIRS:					
Crop out and replace approximately 32 sq ft of 0.313 plate at stringer S11 and 0.375 plate 6 sq ft at frame 258 stringer S10.					
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON					
CSMP SUMMARY: 5-250-0-E engine room has heavily pitted shell plate.				TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION I				STEP#	
SYSTEM LEVEL IMPACT					
PART NO.	NOMEMCLATURE		QTY	NSN	COST
1					
2					
3					
4					
5					
6					
FIRST CONTACT Henrickson	RATE HTC	SECOND CONTACT Ulmer		RATE HT2	PHONE
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MS			TD	TL	LOGISTICIAN TSP

USS DOYLE – FFG 39



Engine Room
5-250-0-E
Frame 250-258 - Port Side
MAF 012734

As per SEMAT II Assessment it was found that in compartment 5-250-0-E shell plate was heavily pitted and below minimum thickness at frame 250-258 at stringer S10 respectively on the port side.

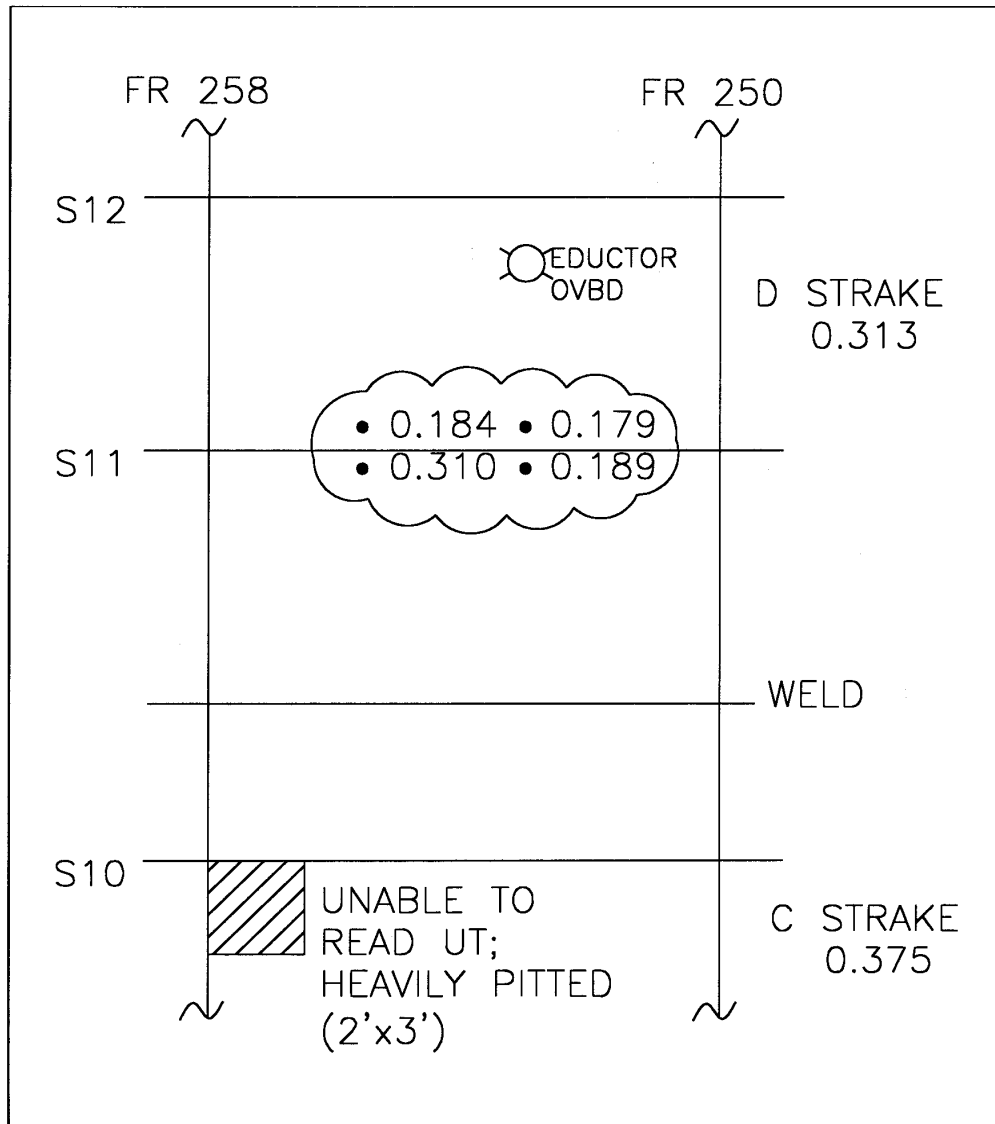
USS DOYLE – FFG 39



Engine Room
5-250-0-E
Frame 252 Port
MAF 012734

As per SEMAT II Assessment it was found that in compartment 5-250-0-E shell plate was heavily pitted and below minimum thickness at frame 250-258 at stringer S10 respectively on the port side.

USS DOYLE – FFG 39



SECT LKG OUTBD (P)
ENGINE ROOM (5-250-0-E)
MAF 012734

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF# 05614		SHIP USS DOYLE FFG 39			
SYSTEM Hull Structure		ESWBS 11021	EIC	APL	RIN
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EMO4	JSN A215
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 3	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE 3	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 01	MAN HRS REMAINING	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: As per SEMAT II assessment it was found that in compartment 5-250-0-E shell plate was heavily pitted and below minimum thickness at frame 258-260 STBD side. Stringer S8 is deteriorated and rusted through frame 258-264 STBD side.					
RECOMMENDED REPAIRS: Crop out and replace approximately 16 sq ft of 0.500 plate B-strake and 8 lf of 6"x6 1/2" T beam for S8 stringer, 2 lf of frame 261 3"x5" Tee.					
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON					
CSMP SUMMARY: 5-250-0-E Engine shell plating heavily pitted				TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION II				STEP#	
SYSTEM LEVEL IMPACT					
PART NO.	NOMENCLATURE		QTY	NSN	COST
1					
2					
3					
4					
5					
6					
FIRST CONTACT Henrickson	RATE HTC	SECOND CONTACT Ulmer	RATE HT2	PHONE	
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MSC			TD	TL	LOGISTICIAN TSP

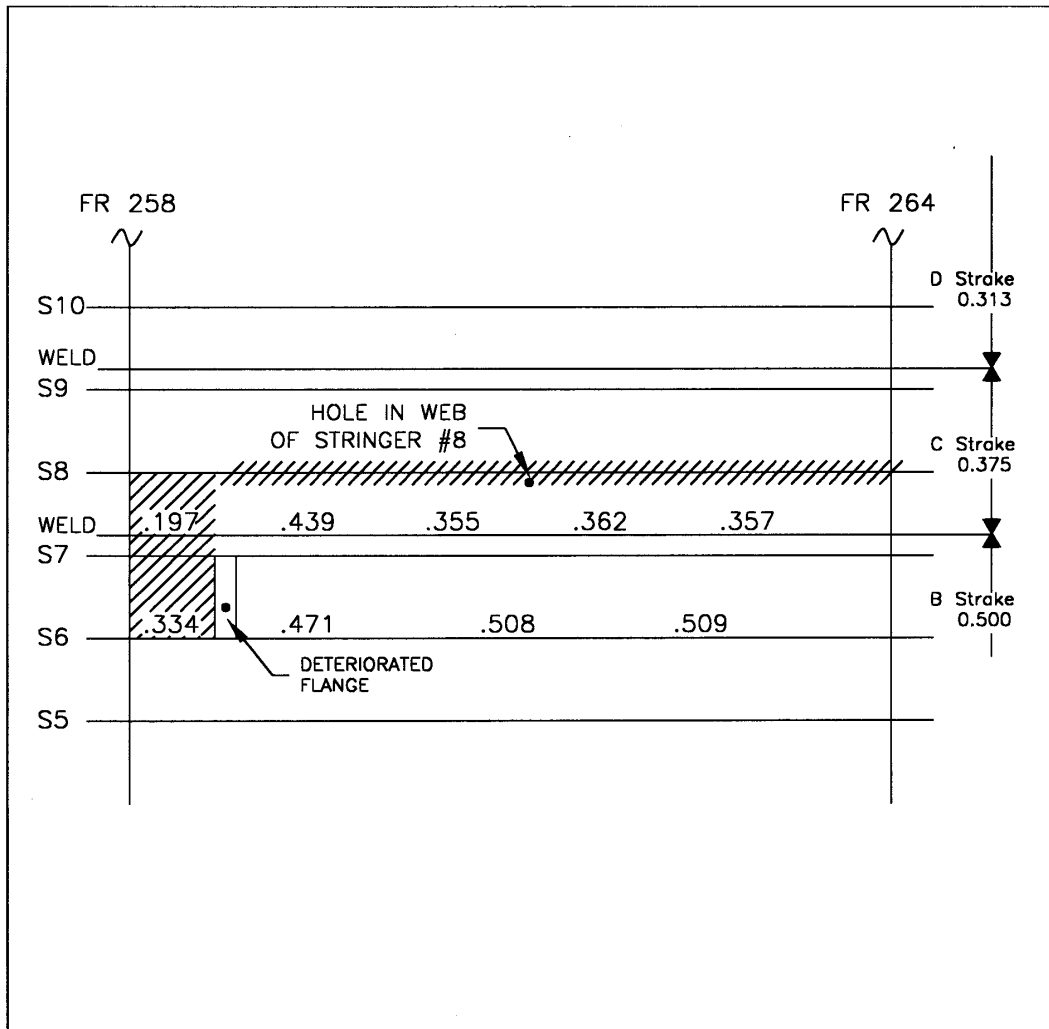
USS DOYLE – FFG 39



5-250-0-E
Engine Room
Frame 260 STBD
Stringer # 8
MAF 05614

As per SEMAT Assessment it was found that in compartment 5-250-0-E shell plate is heavily pitted and below minimum thickness at frame 258-260 STBD side. Stringer (S8) is deteriorated and rusted through at frame 258-264.

USS DOYLE – FFG 39



SECT LKG OUTBD (S)
 FR 258 – FR 264
 ENGINE ROOM (5-250-0-E)
 MAF 05614

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF# 05613		SHIP USS DOYLE FFG 39			
SYSTEM Hull Structure		ESWBS 11021	EIC	APL	RIN
EQUIPMENT NAME Shell and Stringers		IDENT/SERIAL N/A		LOCATION 5-250-0-E	WORK CENTER EMO4
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY	EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SPWL <div style="text-align: center;">4</div>	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY <div style="text-align: center;">3</div>	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE <div style="text-align: center;">1</div>	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE <div style="text-align: center;">7</div>	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT LIST 8. FOR S/F OVERHAUL OR AVAILABILITY WORK 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 01	MAN HRS REMAINING	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE <div style="text-align: center;">3</div>
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: As per SEMAT II assessment it was found that in compartment 5-250-0-E port side lower level frame 250 to 264 stringer #5, 6 and 7 have rusted areas.					
RECOMMENDED REPAIRS: Clean to bare metal prime and preserve approximately 50 sqft. IAW NAVSEA TM Chapter 631.					
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON					
CSMP SUMMARY: Compartment 5-250-0-E rusted stringers.				TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION I				STEP#	
SYSTEM LEVEL IMPACT					
PART NO.	NOMEMCLATURE		QTY	NSN	COST
1					
2					
3					
4					
5					
6					
FIRST CONTACT Henrickson	RATE HTC	SECOND CONTACT Ulmer	RATE HT2	PHONE	
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MS			TD	TL	LOGISTICIAN TSP

USS DOYLE – FFG 39

AMR #3

5-292-0-E

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF# 05617				SHIP USS DOYLE FFG 39						
SYSTEM Hull Structure		ESWBS 11021		EIC		APL		RIN		
EQUIPMENT NAME Shell & Supporting Structure			IDENT/SERIAL N/A		LOCATION 5-292-0-E		WORK CENTER EM04		JSN A207	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY					EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED						
TYPE/AVAILABILITY		WHEN TO BE ACCOMPLISHED		STATUS		CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1		1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 3		1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE 3		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE 7		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 01		MAN HRS REMAINING		COMPLETED ACTION TAKEN			S/F MANHOURS		PRIORITY	
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL				1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION					1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3	
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: As per SEMAT II assessment it was found that in compartment 5-292-0-E frame 316 -frame 324 port side stringers S10 & S11 is rusted through in the web; frame 317 between stringer S10 & S12 are rusted through.										
RECOMMENDED REPAIRS: Crop out and replace 8 lf (6"x 6 1/2") on stringer S10 and 3 lf (6"x 4") stringer S11, 4 lf of frame 317 between stringer S10 & S12 8"x4 3/4" T beam.										
SSPOET C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON										
CSMP SUMMARY: 5-292-0-E, AMR Deteriorated stringer S10 & S11.								TEST# 1102/1		
ROOT CAUSE/AMPLIFICATION I								STEP#		
SYSTEM LEVEL IMPACT										
PART NO.		NOMENCLATURE				QTY	NSN		COST	
1										
2										
3										
4										
5										
6										
FIRST CONTACT Henrickson		RATE HTC		SECOND CONTACT Ulmer		RATE HT2		PHONE		
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MSC					TD	TL		LOGISTICIAN		TSP

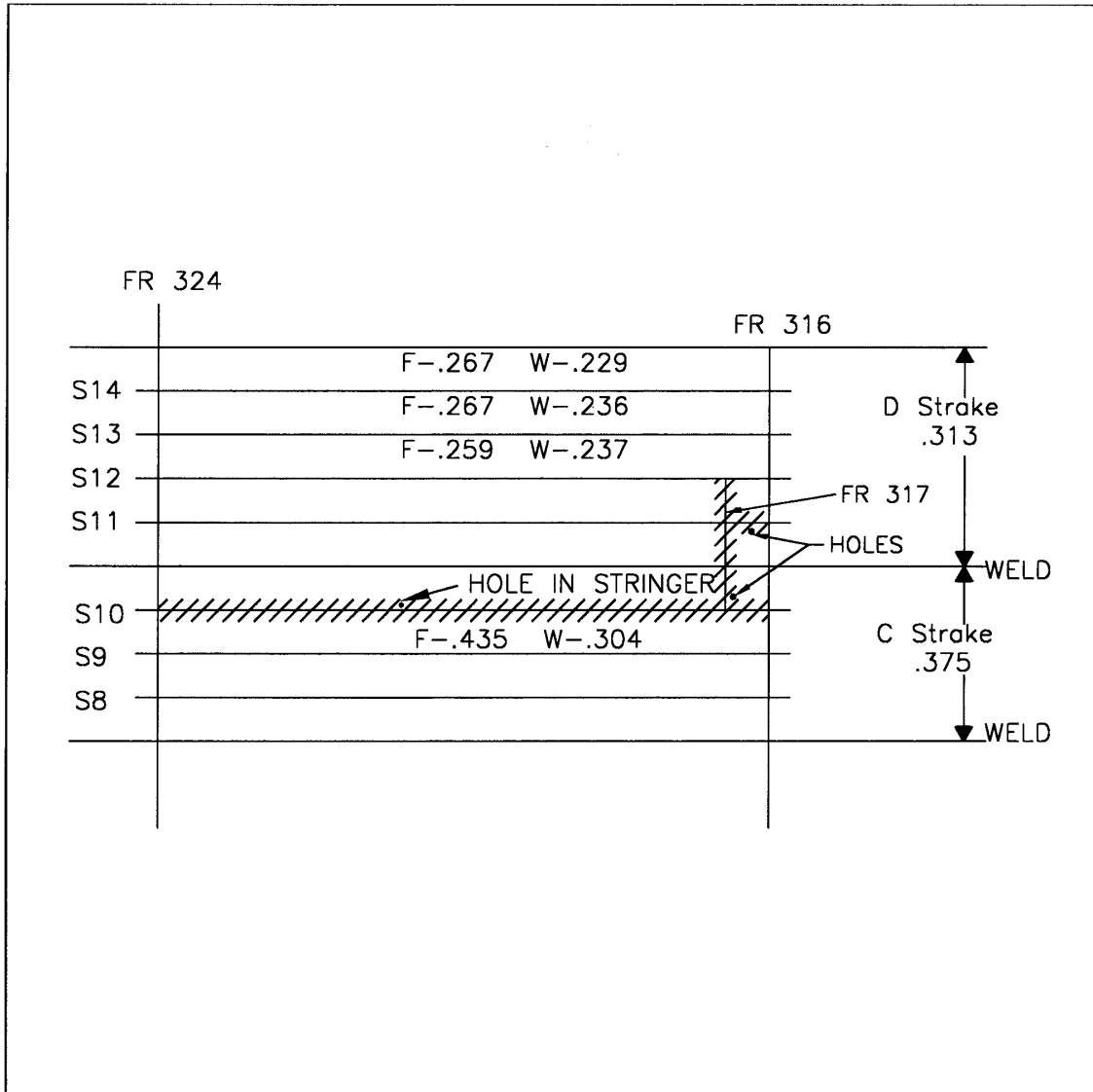
USS DOYLE – FFG 39



5-292-0-E
AMR No 3
Fr 316 to Fr 324 – Port
MAF 05617

As per SEMAT Assessment it was found that in compartment 5-292-0-E, Fr 316 - Fr 324 port side stringers S10 and S11 are rusted through in web; Fr 317 between stringers S10 & S12 is rusted through.

USS DOYLE – FFG 39



SECT LKG OUTBD (P)
 AMR NO 3 (5-292-0-E)
 MAF 05617

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF# 12644		SHIP USS DOYLE FFG 39			
SYSTEM Hull Structure		ESWBS 11021	ETC	APL	RIN
EQUIPMENT NAME Shell & Supporting Structure		IDENT/SERIAL N/A		LOCATION 5-292-0-E	WORK CENTER EMO4
				JSN A218	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL <div style="text-align: right;">1</div>	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY <div style="text-align: right;">3</div>	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE <div style="text-align: right;">3</div>	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE <div style="text-align: right;">7</div>		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE
MAN HRS EXPENDED 01		MAN HRS REMAINING		COMPLETED ACTION TAKEN	S/F MANHOURS
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE <div style="text-align: right;">3</div>	
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: As per SEMAT II assessment it was found that in compartment 5-292-0-E stiffener on stringer S3 at frame 308 is rusted out on STBD side.					
RECOMMENDED REPAIRS: Crop out and replace stiffener					
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON					
CSMP SUMMARY: Stiffener stringer S3 is rusted out.				TEST # 1102/1	
ROOT CAUSE/AMPLIFICATION I				STEP #	
SYSTEM LEVEL IMPACT					
PART NO.	NOMEMCLATURE			QTY	NSN
1					
2					
3					
4					
5					
6					
FIRST CONTACT Henrickson		RATE HTC	SECOND CONTACT Ulmer		RATE HT2
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MSC		TD	TL	LOGISTICIAN	
				TSP	

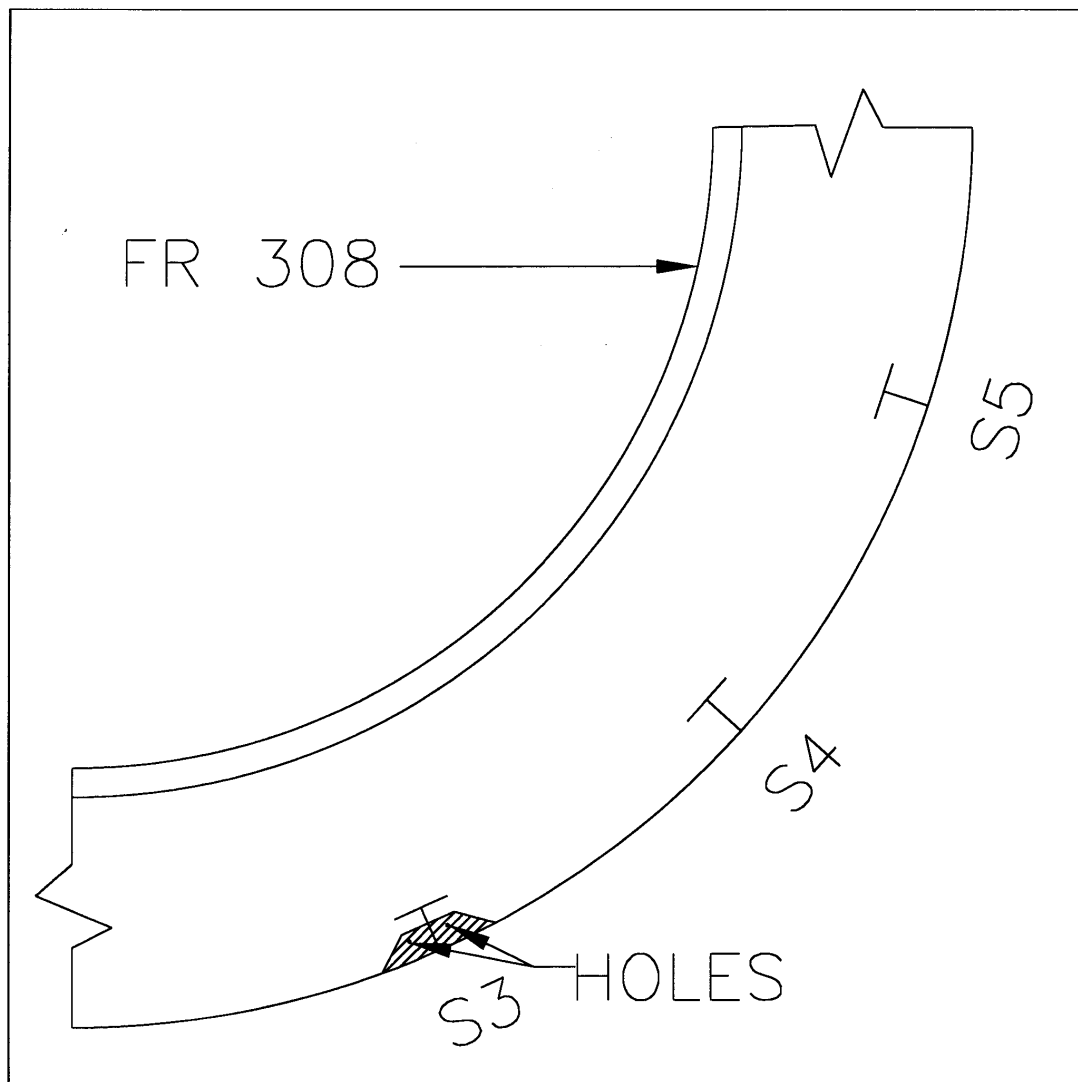
USS DOYLE – FFG 39



AMR No 3
5-292-0-E
Frame 308 – STBD
MAF 012644

As per SEMAT II Assessment it was found that in compartment 5-292-0-E stiffener on stringer S3 at frame 308 is rusted out on the STBD side.

USS DOYLE – FFG 39



ELEV LKG FWD (S)
AMR NO 3 (5-292-0-E
MAF 012644

USS DOYLE – FFG 39

MISCELLANEOUS SPACES

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF# 05612				SHIP USS DOYLE FFG 39			
SYSTEM Hull Structure		ESWBS 11021		EIC		APL	
EQUIPMENT NAME Shell & Supporting Structure (longitudinal)		IDENT/SERIAL N/A		LOCATION 3-46-1-A		WORK CENTER EMO4	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		JSN A221	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
TYPE/AVAILABILITY		WHEN TO BE ACCOMPLISHED		STATUS		CAUSE	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4		1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 3		1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE 1		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE 7	
						DEFERRAL REASON	
						1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE 6	
MAN HRS EXPENDED 01		MAN HRS REMAINING		COMPLETED ACTION TAKEN		S/F MANHOURS	
						PRIORITY	
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL				1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3	
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION:							
As per SEMAT II assessment it was found that in compartment 3-46-1-A STBD shell longitudinal 2nd one up from deck at aft end frame 46 to frame 48 shows signs of rust (approximately 4sqft)							
RECOMMENDED REPAIRS:							
Clean to bare metal, prime and preserve shell and longitudinal. IAW Navsea TM Chapter 631, (approximately 4sqft).							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON							
CSMP SUMMARY: 3-46-1-A shell and longitudinal rusted.						TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION I						STEP#	
SYSTEM LEVEL IMPACT							
PART NO.		NOMEMCLATURE		QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT Henrickson		RATE HTC		SECOND CONTACT Ulmer		RATE HT2	
PHONE							
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MSC				TD	TL	LOGISTICIAN	TSP

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF# 05607				SHIP USS DOYLE FFG 39			
SYSTEM Hull Structure		ESWBS 11021		EIC		APL	
EQUIPMENT NAME Shell & Supporting Structure (stringers)		IDENT/SERIAL N/A		LOCATION 4-140-0-Q		WORK CENTER EM04	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		JSN A220	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		EOC	
TYPE/AVAILABILITY		WHEN TO BE ACCOMPLISHED		STATUS		CAUSE	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4		1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 3		1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE 1		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE 7	
DEFERRAL REASON		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE					
MAN HRS EXPENDED 01		MAN HRS REMAINING		COMPLETED ACTION TAKEN		S/F MANHOURS	
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3			
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION:							
As per SEMAT II assessment it was found that in compartment 4-140-0-Q port side frame 151 to 160 below deck grating at first stringer shows sign of rust (laundry). Note: this problem is also caused by ¾" drain pipe in the laundry store room draining onto stringer (4-140-2-A).							
RECOMMENDED REPAIRS:							
Clean to bare metal, prime and preserve stringer and shell. IAW NAVSEA TM Chapter 631 (approximately 30sqft).							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON							
CSMP SUMMARY:						TEST#	
Compartment 4-140-0-Q rusted stringer						MRC 1102/1	
ROOT CAUSE/AMPLIFICATION						STEP#	
I							
SYSTEM LEVEL IMPACT							
PART NO.		NOMEMCLATURE		QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT Henrickson		RATE HTC		SECOND CONTACT Ulmer		RATE HT2	
PHONE		ASSESSOR / ACT / TECH ID#		TD	TL	LOGISTICIAN	TSP
		T. LAPP/F. IBBOTSON-MS					

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF# 012643				SHIP USS DOYLE FFG 39			
SYSTEM Hull Structure		ESWBS 11021		EIC		APL	
EQUIPMENT NAME Shell & Supporting Structure (stringers)		IDENT/SERIAL N/A		LOCATION 4-140-2-A		WORK CENTER EM04	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		JSN A219	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		EOC	
TYPE/AVAILABILITY		WHEN TO BE ACCOMPLISHED		STATUS		CAUSE	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4		1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 3		1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE 7	
DEFERRAL REASON		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE					
MAN HRS EXPENDED 01		MAN HRS REMAINING		COMPLETED ACTION TAKEN		S/F MANHOURS	
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3			
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: As per SEMAT II assessment it was found that in compartment 4-140-2-A (laundry store room) port side frame 140 to 151 is rusted in stringer at deck. This rust is cause by poor design of a drain pipe at frame 140 which drains water onto stringer and just settles there. The pipe size is about 3/4".							
RECOMMENDED REPAIRS: Clean to bare metal, prime and preserve stringer and shell approximately 30sqft. IAW NAVSEA TM Chapter 631. Note: recommended investigate drain pipe source and redesign pipe to eliminate rust and deterioration problem.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON							
CSMP SUMMARY: Compartment 4-140-2-A, rust						TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION I						STEP#	
SYSTEM LEVEL IMPACT							
PART NO.	NOMEMCLATURE			QTY	NSN		COST
1							
2							
3							
4							
5							
6							
FIRST CONTACT Henrickson	RATE HTC	SECOND CONTACT Ulmer		RATE HT2	PHONE		
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MSC				TD	TL	LOGISTICIAN	TSP

USS DOYLE – FFG 39



Laundry Storeroom
4-140-2-A
MAF 012643

As per SEMAT II Assessment it was found that in compartment 4-140-2-A (laundry storeroom) port side frame 140 to 151 is rusted in stringer at deck. This rust is caused by poor design of the drain pipe at frame 140, which drains water onto stringer, and just settles there. The size of this pipe is approximately $\frac{3}{4}$ ".

USS DOYLE – FFG 39

MATERIAL ASSESSMENT FORM

ITEM NUMBER MAF# 012391				SHIP USS DOYLE FFG 39						
SYSTEM Hull Structure		ESWBS 11021		EIC		APL		RIN		
EQUIPMENT NAME Shell and Supporting Structure			IDENT/SERIAL N/A		LOCATION 4-152-1-A		WORK CENTER EMO4		JSN A216	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY				EOC		
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED						
TYPE/AVAILABILITY		WHEN TO BE ACCOMPLISHED		STATUS		CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4		1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 3		1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE 1		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE 7		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 01		MAN HRS REMAINING		COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL				1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3		
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: As per SEMAT II assessment it was found that in compartment 4-152-1-A frame 152 to 160 STBD below deck at first stringer is rusted approximately 20sqft.										
RECOMMENDED REPAIRS: Clean to bare metal, prime and preserve shell and longitudinal stringer. IAW NAVSEA TM Chapter 631.										
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON										
CSMP SUMMARY: Shell and Longitudinal Rusted								TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION I								STEP#		
SYSTEM LEVEL IMPACT										
PART NO.		NOMEMCLATURE			QTY		NSN		COST	
1										
2										
3										
4										
5										
6										
FIRST CONTACT Henrickson		RATE HTC		SECOND CONTACT Ulmer		RATE HT2		PHONE		
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MSC					TD		TL		LOGISTICIAN	
									TSP	

ITEM NUMBER MAF# 05611		SHIP USS DOYLE FFG 39					
SYSTEM Hull Structure		ESWBS 11021	EIC	APL	RIN		
EQUIPMENT NAME Shell and Supporting Structure		IDENT/SERIAL N/A		LOCATION 4-172-1-E	WORK CENTER EMO4	JSN A211	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY 3	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 0. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 01		MAN HRS REMAINING		COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 0. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3	
DISCREPANCY DESCRIPTION: PER SEMAT II INSPECTION: As per SEMAT II assessment it was found that in compartment 4-172-1-E (fire pump room) port side from frame 172 to 180 between tank top 5-164-3-E and stringer #7 shows signs of rust.							
RECOMMENDED REPAIRS: Clean to bare metal, prime and preserve shell and stringer #7 from 172 to 180 port side approximately 40sqft. IAW NAVSEA TM Chapter 631.							
SSPORT C221 POC: F. PRAISSMAN (757) 396-4001 EXT 2130, TPOC: R. NORMAN /C. WILSON							
CSMP SUMMARY: Compartment 4-172-1-E shell rusted.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION I					STEP#		
SYSTEM LEVEL IMPACT							
PART NO.		NOMEMCLATURE		QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT Henrickson		RATE HTC	SECOND CONTACT Ulmer		RATE HT2	PHONE	
ASSESSOR / ACT / TECH ID# T. LAPP/F. IBBOTSON-MS				TD	TL	LOGISTICIAN	TSP

USS DOYLE – FFG 39
STRUCTURAL INSPECTION RESULTS
SATISFACTORY AREAS

LOCATION	AREA	RESULTS
3-32-2-A	SECURE FORCES ISS	SAT
3-32-1-K	FLAM LIQUID STRM	SAT
3-26-2-T	WTRTT ESC TRUNK	SAT
3-40-2-A	CPO STORE RM	SAT
3-48-2-A	XO STORE RM	SAT
3-53-2-A	CLOTH SMALL STRM	SAT
3-56-0-A	DECK GEAR STRM	SAT
3-93-1-Q	200 MEGAHERTZ ENCL	SAT
3-100-0-L	BERTH/DRESSING	SAT
3-100-1-L	RCN LOUNGE	SAT
3-113-0-L	SANITARY SPACE	SAT
3-140-2-L	RCN LOUNGE	SAT
3-140-1-L	PASSAGE	SAT
3-144-0-L	BERTH/DRESSING	SAT
3-156-2-Q	PIPING SPACE	SAT
3-154-1-Q	PIPING SPACE	SAT
3-180-2-C	SWITCH GEAR RM	SAT
3-180-5-A	DRY PROV STRM	SAT
3-196-2-A	SHIP'S STORE RM	SAT
3-328-0-A	COMB SUPP STRM	SAT
4-32-0-Q	SONAR EQUIPT RM	SAT
4-48-2-L	PASSAGE	SAT
4-56-0-M	SMALL ARM MAG	SAT
4-64-0-Q	MAG SERVICE RM	SAT
4-100-0-E	APU MCHRY RM	SAT
5-226-2-E	SS DIESEL ENCL	SAT
5-226-1-E	SS DIESEL ENCL	SAT
5-376-1-A	BOSN STORE RM	SAT

USS DOYLE – FFG 39

MATERIAL CONDITION ASSESSMENT HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-32-2-A	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO

SECURE FORCE ISS RM (3-32-2-A) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.

TECH: LAPP/IBBOTSON-MSD SUPERVISOR: FRED PRAISMAN CODE: 221

PHONE (DSN): 961-4001 COMMERCIAL: (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
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USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-32-1-K	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO

**FLAM LIQUID STRM (3-32-1-K) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MSD SUPERVISOR: FRED PRAISMAN CODE: 221

PHONE (DSN): 961-4001 COMMERCIAL: (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
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USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-26-2-T	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**WTRTT ESC TRUNK (3-26-2-T) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-40-2-A	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**CPO STORE RM (3-40-2-A) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MSD SUPERVISOR: FRED PRAISMAN CODE: 221

PHONE (DSN): 961-4001 COMMERCIAL: (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-48-2-A	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES____ NO____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES____ NO____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO

**XO STORE RM (3-48-2-A) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C SUPERVISOR: FRED PRAISMAN CODE: 221

PHONE (DSN): 961-4001 COMMERCIAL: (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
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USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-56-0-A	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**DECK GEAR STRM (3-56-0-A) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-53-2-A	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**CLOTH SMALL STRM (3-53-2-A) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MSC SUPERVISOR: FRED PRAISMAN CODE: 221

PHONE (DSN): 961-4001 COMMERCIAL: (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-93-1-Q	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**200 MEGAHERTZ ENCL (3-93-1-Q) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-100-0-L	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO

**BERTH/DRESSING (3-100-0-L) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C SUPERVISOR: FRED PRAISMAN CODE: 221

PHONE (DSN): 961-4001 COMMERCIAL: (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
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USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-100-1-L	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**RCN LOUNGE (3-100-1-L) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-140-2-L	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**RCN LOUNGE (3-140-2-L) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-113-0-L	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**SANITARY SPACE (3-113-0-L) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-140-1-L	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO

**PASSAGE (3-140-1-L) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C SUPERVISOR: FRED PRAISMAN CODE: 221

PHONE (DSN): 961-4001 COMMERCIAL: (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
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USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-144-0-L	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**BERTH/DRESSING (3-144-0-L) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-156-2-Q	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**PIPING SPACE (3-156-2-Q) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-154-1-Q	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO

**PIPING SPACE (3-154-1-Q) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MSD SUPERVISOR: FRED PRAISMAN CODE: 221

PHONE (DSN): 961-4001 COMMERCIAL: (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
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USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-180-2-C	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**SWITCH GEAR RM (3-180-2-C) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-180-5-A	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**DRY PROV STRM (3-180-5-A) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C SUPERVISOR: FRED PRAISMAN CODE: 221

PHONE (DSN): 961-4001 COMMERCIAL: (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-196-2-A	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**SHIPS STORE RM (3-196-2-A) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	3-328-0-A	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**COMB SUPP STRM (3-328-0-A) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	4-32-0-Q	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**SONAR EQUPT RM (4-32-0-Q) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MSC **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	4-48-2-L	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO

**PASSAGE (4-48-2-L) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C SUPERVISOR: FRED PRAISMAN CODE: 221

PHONE (DSN): 961-4001 COMMERCIAL: (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
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USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	4-56-0-M	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO

**SMALL ARM MAG (4-56-0-M) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C SUPERVISOR: FRED PRAISMAN CODE: 221

PHONE (DSN): 961-4001 COMMERCIAL: (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
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USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	4-64-0-Q	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**MAG SERVICE RM (4-64-0-Q) CONDUCTED UNDERWATER HULL SHELL AND
SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	4-100-0-E	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**APU MCHRY RM (4-100-0-E) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	5-226-2-E	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**SS DIESEL ENCL (5-226-2-E) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	5-226-1-E	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO

**SS DIESEL ENCL (5-226-1-E) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MSO SUPERVISOR: FRED PRAISMAN CODE: 221

PHONE (DSN): 961-4001 COMMERCIAL: (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
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USS DOYLE – FFG 39
MATERIAL CONDITION ASSESSMENT
HULL STRUCTURE

APL	COMPARTMENT	RIN	WORK CENTER	JSN
X-SYSTEM ITEM	5-376-1-A	N/L		

DATE ASSESSMENT COMPLETED: 05/04/01

LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.

OPERATIONAL CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ)

REASON NOT COMPLETED: N/A _____

COLD CHECKS COMPLETED: YES_____ NO_____ (2KILO REQ.)

REASON NOT COMPLETED: N/A _____

EQUIPMENT CONDITION (CHOOSE ONE):

<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT NOT COMPLETE (2K-REQ)
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**JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES
NOT ADDRESSED ON A MAF/2-KILO**

**BOSN STORE RM (5-376-1-A) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.**

TECH: LAPP/IBBOTSON-MS C **SUPERVISOR:** FRED PRAISMAN **CODE:** 221

PHONE (DSN): 961-4001 **COMMERCIAL:** (757) 396-4001

NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS
_____	_____

USS DOYLE – FFG 39

SHELL PLATING U / T ASSESSMENT

ENGINE ROOM

LOCATION: 5-250-0-E

PORT SIDE, FRAME 271 BETWEEN STRINGERS S10 AND S11:

BETWEEN STRINGERS	NORMAL THICKNESS	MIN. TOL.	ACTUAL U / T READINGS	MATERIAL LOSS
10 AND 11	.313	.235	.142, .43	.171----0
10 AND 11	.313	.235	.169, .263	.144---.052

PORT SIDE FRAME 252

ABV STRINGER 11	.313	.235	.184, .179	.129---.134
BLW STRINGER 11	.313	.235	.310, .189	.003---.124

STARBOARD SIDE, FRAME 258 TO 264 BETWEEN STRINGERS S7 AND S8:

BETWEEN STRINGERS	NORMAL THICKNESS	MIN. TOL.	ACTUAL U / T READINGS	MATERIAL LOSS
7 AND 8	.375	.28	.197, .439	.178----0
7 AND 8	.375	.28	.355, .362	.020---.013
7 AND 8	.375	.28	.357	.018

BETWEEN STRINGERS	NORMAL THICKNESS	MIN. TOL.	ACTUAL U / T READINGS	MATERIAL LOSS
6 AND 7	.500	.375	.334, .471	.166---.029
6 AND 7	.500	.375	.508, .509	0-----0

USS DOYLE – FFG 39

INTERIOR SHELL/STRUCTURAL ASSESSMENT MATRIX

LOCATION	AREA	SPACE ASSESSABLE	SHELL LAGGING	MCA	MAF	INSPECT SEMAT II	HOT SPACE	COMMENTS
3-20-0-Q	CHAIN LOCKER	N	N	N	N	N	N	DID NOT INSPECT
3-32-1-K	FLAM LIQUID STRM	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-32-2-A	DECK GEAR LKR	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-36-2-T	WTRTT ESC TRUNK	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-40-2-A	CPO STOREROOM	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-46-1-A	SPEC CLOTH ROOM	Y	Y	N	Y	Y	N	MAF 05612
3-48-2-A	XO STOREROOM	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-53-2-A	CLOTH SMALL STRS	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-56-0-A	DECK GEAR STRM	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-64-2-V	VOID	N	N	N	N	N	N	REQUIRES GAS FREE
3-64-1-V	VOID	N	N	N	N	N	N	REQUIRES GAS FREE
3-84-0-E	A/C MCHRY ROOM	Y	Y	N	N	N	Y	COULD NOT ACCESS
3-93-1-Q	200 MHZ ENCL	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-100-0-L	BERTH/DRESSING	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-100-1-L	RCN LOUNGE	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-113-0-L	CREW WR/WC	Y	Y	Y	N	Y	Y	NO WORK REQUIRED
3-140-2-L	RCN LOUNGE	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-140-1-L	PASSAGE	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-144-0-L	BERTH/DRESSING	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-156-2-Q	PIPING SPACE	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-154-1-Q	PIPING SPACE	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-180-2-C	SWITCH GEAR RM	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-180-5-A	DRY PROV STRM	Y	Y	Y	N	Y	N	NO WORK REQUIRED

USS DOYLE – FFG 39

INTERIOR SHELL/STRUCTURAL ASSESSMENT MATRIX

LOCATION	AREA	SPACE ASSESSABLE	SHELL LAGGING	MCA	MAF	INSPECT SEMAT II	HOT SPACE	COMMENTS
3-196-2-A	SHIP STOREROOM	Y	Y	Y	N	Y	N	NO WORK REQUIRED
3-236-1-F	SSDG LUBO STO #2	N	N	N	N	N	N	REQUIRE GAS FREE
3-236-2-F	SSDG LUBO STO #3	N	N	N	N	N	N	REQUIRE GAS FREE
3-240-1-F	AUX FUEL SVC TK #2	N	N	N	N	N	N	REQUIRE GAS FREE
3-240-2-F	AUX FUEL SVC TK #3	N	N	N	N	N	N	REQUIRE GAS FREE
3-272-2-F	LO STWG TK 1A	N	N	N	N	N	N	REQUIRE GAS FREE
3-278-1-F	LO SETTLING TK 1A	N	N	N	N	N	N	REQUIRE GAS FREE
3-278-2-F	LO STWG TK 1A	N	N	N	N	N	N	REQUIRE GAS FREE
3-286-2-F	LO SETLING TK 1B	N	N	N	N	N	N	REQUIRE GAS FREE
3-286-1-F	LO STWG TK 1C	N	N	N	N	N	N	REQUIRE GAS FREE
3-316-1-J	JP-5 SVC TK # 1A	N	N	N	N	N	N	REQUIRE GAS FREE
3-322-1-J	JP-5 SVC TK # 1B	N	N	N	N	N	N	REQUIRE GAS FREE
3-328-0-A	COMB SUPP STRM	Y	Y	Y	N	Y	N	NO WORK REQUIRED
4-H-0-V	FORE PEAK VOID	N	N	N	N	N	N	REQUIRE GAS FREE
4-20-0-W	SUMP	N	N	N	N	N	N	REQUIRE GAS FREE
4-27-0-V	VOID	N	N	N	N	N	N	REQUIRE GAS FREE
4-32-0-Q	SONAR EQUIP RM	Y	Y	Y	N	Y	N	NO WORK REQUIRED
4-48-2-L	PASSAGE	Y	Y	Y	N	Y	N	NO WORK REQUIRED
4-48-1-Q	SONAR COOLING	Y	Y	N	N	Y	Y	NO WORK REQUIRED
4-56-2-A	DECK GEAR STRM	Y	Y	N	N	N	N	COULD NOT ACCESS
4-56-0-M	SMALL ARM MAG	Y	Y	Y	N	Y	N	NO WORK REQUIRED
4-64-0-Q	MAG SVC RM	Y	Y	Y	N	Y	N	NO WORK REQUIRED
4-100-0-E	APU MCHRY RM	Y	Y	Y	N	Y	N	NO WORK REQUIRED

USS DOYLE – FFG 39

INTERIOR SHELL/STRUCTURAL ASSESSMENT MATRIX

LOCATION	AREA	SPACE ASSESSABLE	SHELL LAGGING	MCA	MAF	INSPECT SEMAT II	HOT SPACE	COMMENTS
4-140-0-Q	LAUNDRY	Y	Y	N	Y	Y	Y	MAF 05607
4-140-2-A	LAUNDRY STRM	Y	N	N	Y	Y	Y	MAF 012634
4-140-3-A	LAUNDRY STRM	Y	N	N	N	Y	N	NO WORK REQUIRED
4-152-1-A	CHEM WFARE DEF	Y	N	N	Y	Y	N	MAF 012391
4-160-0-Q	SEWAGE COLLECT	Y	N	N	Y	Y	N	MAF 012642
4-172-1-E	FIRE PUMP ROOM	Y	Y	N	Y	Y	Y	MAF 05611
5-FF-0-V	INACCESSIBLE VOID	N	N	N	N	N	N	REQUIRE GAS FREE
5-32-0-W	CLEAN BALLAST TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-51-0-Q	EDUCTOR ROOM	Y	N	N	Y	Y	N	MAF 012629 & 012630
5-56-0-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-64-0-F	FUEL OVFL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-84-2-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-84-1-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-100-2-W	APU WELL #2	N	Y	N	N	N	N	COULD NOT ACCESS
5-100-1-W	APU WELL #1	N	Y	N	N	N	N	COULD NOT ACCESS
5-100-4-F	FUEL BALLAST OVFL	N	N	N	N	N	N	REQUIRE GAS FREE
5-100-3-F	FUEL BALLAST TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-116-2-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-116-1-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-116-0-V	CLEAN BALLAST TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-132-0-F	CONT OIL SETTTL	N	N	N	N	N	N	REQUIRE GAS FREE
5-137-1-T	OT UNDERWATER LOG	N	N	N	N	N	N	REQUIRE GAS FREE
5-140-2-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE

USS DOYLE – FFG 39

INTERIOR SHELL/STRUCTURAL ASSESSMENT MATRIX

LOCATION	AREA	SPACE ASSESSABLE	SHELL LAGGING	MCA	MAF	INSPECT SEMAT II	HOT SPACE	COMMENTS
5-140-1-F	FUEL OVFL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-164-0-F	OILY WASTE HLDG	N	N	N	N	N	N	REQUIRE GAS FREE
5-164-2-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-170-0-F	WASTE OIL RETURN	N	N	N	N	N	N	REQUIRE GAS FREE
5-180-0-E	AUX MCHRY #1	Y	Y	N	Y	Y	Y	MAF 012631
5-180-01-E	SS DIESEL ENCL	Y	Y	N	N	Y	N	NO WORK REQUIRED
5-192-2-F	OILY WASTE DR #1	N	N	N	N	N	N	REQUIRE GAS FREE
5-201-1-F	FUEL TANK	N	N	N	N	N	N	REQUIRE GAS FREE
5-201-3-F	FUEL TANK	N	N	N	N	N	N	REQUIRE GAS FREE
5-204-2-F	SVC TANK	N	N	N	N	N	N	REQUIRE GAS FREE
5-204-1-F	SVC TANK	N	N	N	N	N	N	REQUIRE GAS FREE
5-212-0-E	AUX MCHRY #2	Y	Y	N	Y	Y	Y	MAF 05610
5-220-2-W	WASTE WTR DR #2	N	N	N	N	N	N	REQUIRE GAS FREE
5-222-1-F	OILY WASTE DR #2	N	N	N	N	N	N	REQUIRE GAS FREE
5-226-2-E	SS DIESEL ENCL	Y	Y	Y	N	Y	N	NO WORK REQUIRED
5-226-1-E	SS DIESEL ENCL	Y	Y	Y	N	Y	N	NO WORK REQUIRED
5-250-0-E	ENGINE ROOM	Y	Y	N	Y	Y	Y	MAF 05616,012734, 05614 & 05613
5-250-1-F	FUEL BALLAST TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-250-2-E	FUEL OVFL BALLAST	N	N	N	N	N	N	REQUIRE GAS FREE
5-270-0-F	CP PROP HYD SUMP	N	N	N	N	N	N	REQUIRE GAS FREE
5-276-0-F	L.O SUM P TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-290-2-F	FUEL TANK	N	N	N	N	N	N	REQUIRE GAS FREE
5-292-0-E	AUX MCHRY RM #3	Y	Y	Y	Y	Y	Y	MAF 05617 & 012644

USS DOYLE – FFG 39

INTERIOR SHELL/STRUCTURAL ASSESSMENT MATRIX

LOCATION	AREA	SPACE ASSESSABLE	SHELL LAGGING	MCA	MAF	INSPECT SEMAT II	HOT SPACE	COMMENTS
5-292-1-W	POTABLE WATER TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-292-2-W	POTABLE WATER TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-292-3-W	POTABLE WATER TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-308-2-W	POTABLE WATER TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-308-1-W	POTABLE WATER TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-328-2-W	CLEAN BALLAST TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-328-1-W	CLEAN BALLAST TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-344-0-J	JP-5 TANK	N	N	N	N	N	N	REQUIRE GAS FREE
5-368-0-V	VOID	N	N	N	N	N	N	REQUIRE GAS FREE
5-386-0-V	INACC VOID	N	N	N	N	N	N	INACCESSIBLE VOID
5-392-0-V	VOID	N	N	N	N	N	N	REQUIRE GAS FREE
5-368-01-E	STRG GEAR RM	Y	Y	N	N	Y	N	LIMITED ACCESS
5-376-1-A	BOSN STRM	Y	Y	Y	N	Y	N	NO WORK REQUIRED